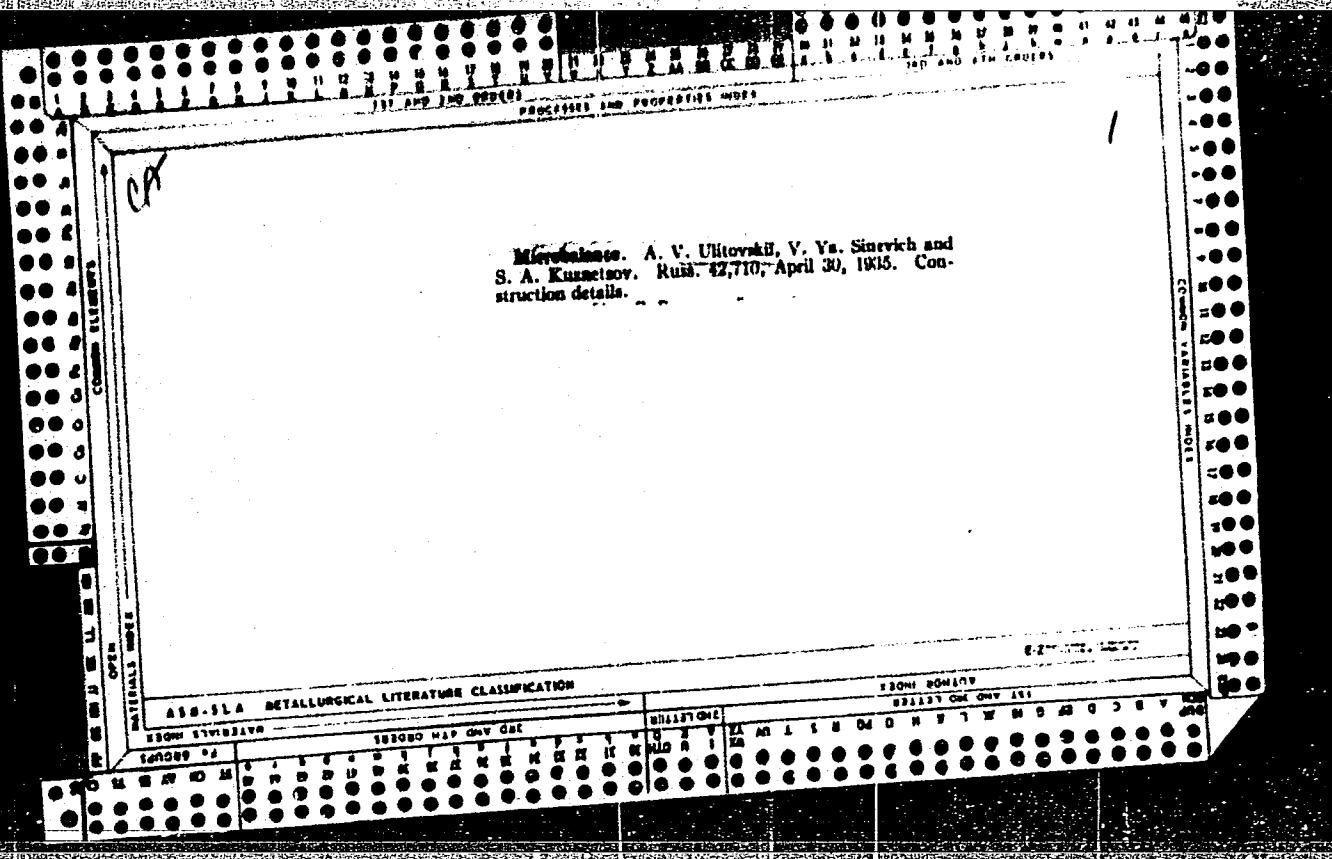


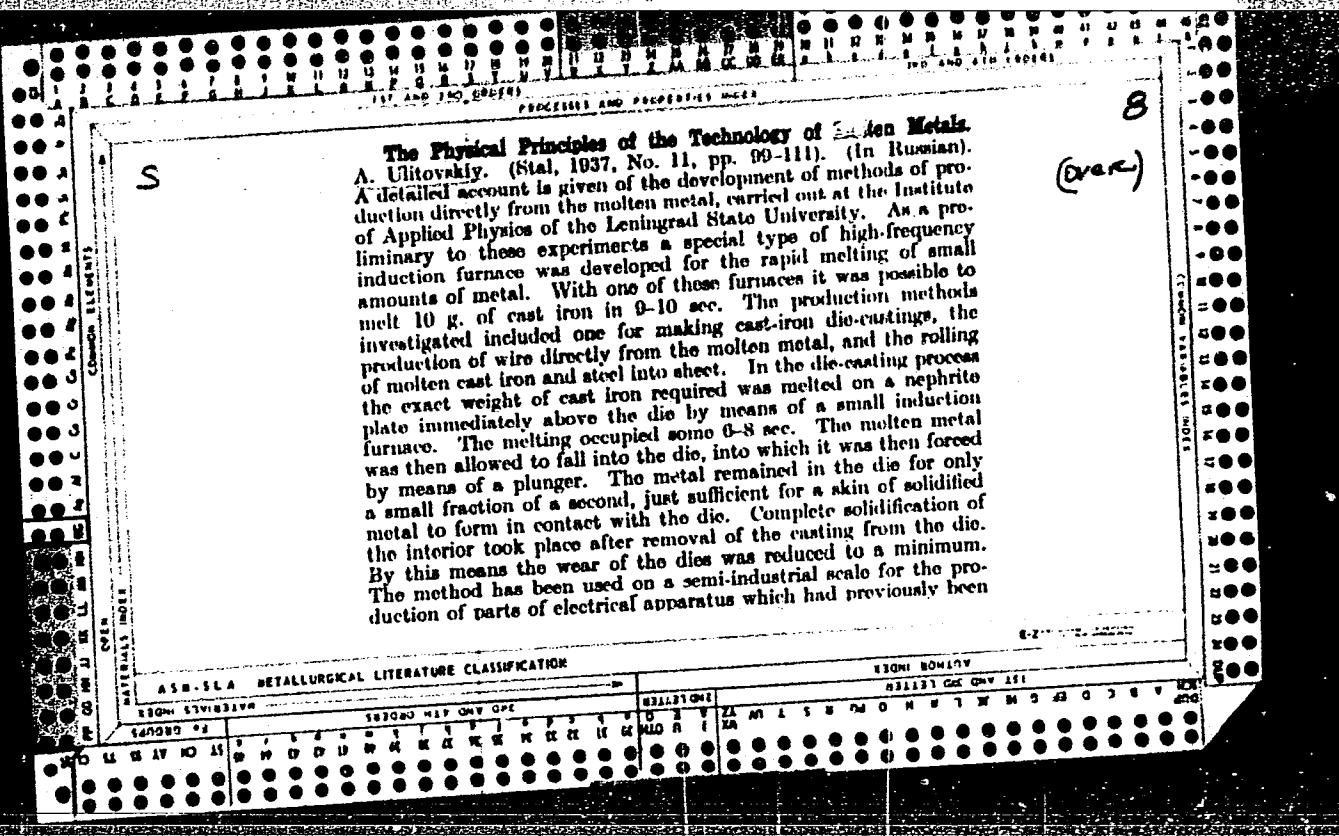
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produced by machining from brass stock. Wire was produced by forcing a jet of molten metal through a nozzle and allowing it to solidify. Conditions which have to be satisfied if a continuous wire is to be obtained are examined. The rolling process which was developed at the Institute differs essentially from other known methods of "ingotless" rolling. No reservoir of molten metal between the rolls is used. The supply of molten metal to the rolls is determined by the thickness of the sheet it is desired to obtain, and all the metal supplied passes directly through the rolls, the time of contact between the metal and rolls being only just sufficient for the formation of a thin skin which forms the upper and lower surfaces of the sheet, the interior of the sheet solidifying after the metal has passed the rolls. A suitable device is used to support the liquid-cored sheet after it leaves the rolls and until it solidifies. The various factors involved in the above process are considered in detail. Perhaps the most interesting feature of this rolling process is its extremely low power requirement, a strip of metal 0.1 mm. thick being obtained in a mill driven by a motor consuming only a few hundred watts. In conclusion the author briefly refers to the mechanical properties of cast-iron sheet produced by the above method and the possibility of working and fabricating it.

100-3-39/40

AUTHOR: Ulitovskij, A.V.**TITLE:** A Thin Wire with a Continuous Glass Insulation and the Possibilities of Its Application. (A Review) (Tekkaya provoloka v sploshnoy steklyannoy izolyatsii i vozmozhnosti yeye primeneniya) (**obzor**)**PERIODICAL:** Pribory i Tekhnika Eksperimenta, 1957, Nr 3, pp.115-117
(and 1 plate) (USSR)**ABSTRACT:** In 1949 the author worked out the technology of production of the so called micro-wires having a continuous glass insulation. However, this wire has not been widely used so far. At the present time Soviet industry has begun producing wires of copper, manganin and iron in continuous glass insulation and metal diameters of 2-20 μ . The manganin and iron wires are used in the production of resistances, and the copper wires for windings. An example is given of the application of copper micro-wires in the production of galvanometers. Substitution of a 6 μ wire for a 20 μ wire made possible an increase of the number of turns by a factor of 10, the weight remaining the same. In this way a sensitivity of 10^{-12} A/mm was achieved. It is pointed out that in the preparation of large resistances a decrease in the diameter of the manganin wire by a factor of 100 leads

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120-3-30/40

A Thin Wire with a Continuous Glass Insulation and the Possibilities of Its Application.

to a decrease in the weight of the material by a factor of 10 000. On the other hand, a glass covered wire is very durable. Using glass covered micro-wires voltages of up to 5000 volts DC or 3500 AC can be used without breakdown. One of the difficulties in the application of glass covered micro wires is the problem of soldering of the ends. The usual method of soldering could not be used because of the layer of glass which could not be removed without wrecking the metal core. Methods of soldering of micro-wires were developed by Timashev, Fedotov, Merkulov and Krasin'kov. They involve mechanical removal of the glass sleeve. Troyanovskiy and Potapov investigated defects in micro-wire windings as functions of mechanical tension in the installation, time, the method of winding, etc. To detect micro-cracks in the insulation Potapov immersed glass covered micro-wires in a water solution of phenolphthalein. If a negative potential is applied to the metal core of the micro-wire then reddish colouring of the solution shows the

Card 2/3

120-3-30/40

A Thin Wire with a Continuous Glass Insulation and the Possibilities of Its Application.

presence of defects long before the appearance of visible cracks. Troyanovskiy heated the glass covered micro-wire up to about 650°C while winding it on a former. At this temperature glass becomes soft and stresses in it are removed. If the winding is put on quickly, the various turns will fuse into each other which is very desirable. In this way one can obtain resistances consisting of a continuous solid glass body containing a multilayer winding. Such resistances are very small and need not be lacquered or sealed. Experiments have been carried out to obtain wires in glass insulation having diameters between a 10th and a 100th of a μ. Troyanovskiy has obtained miniature resistances between 200 000 ohms and 20 million ohms. There are 4 figures, no tables or references.

ASSOCIATION: Institute of Metallurgy im. A.A. Baykov of the Academy of Sciences, USSR (Institut metallurgii im. A.A.Baykova AN SSSR)

SUBMITTED: December 16, 1956.

AVAILABLE: Library of Congress.

1. Wire-Glass insulated-Characteristics 2. Wire-Glass insulated-Applications

1. ULITOVSKIY, B.; MAKARENKO, M.
2. USSR (600)
4. Diesel Motor
7. Improving working conditions of the D-35 motor, B. Ulitovskiy, M. Makarenko, MTS 13 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

Ulitovskiy, Beris Alekseyevich

KHASHCHINSKIY, Viktor Petrovich, professor; ULITOVSKIY, Beris Alekseyevich, inzhener; FAYNBERG, Ye.P., redakter; IUR'YE, A.B., redakter; VODOLAGINA, S.D., tekhnicheskiy redaktor.

[Small rural electric power plants operating on heat power] Sel'skie teplosilevye ustavki malei meshchnosti. Pod red. V.P. Khashchinskogo. Meskva, Gos.izd-vo sel'khoz. lit-ry, 1956. 118 p. (MLRA 9:6)
(Electric power plants)

ULITOVSKIY, Boris A.

LUZHKOVSkiY, Viktor Georgiyevich; ULITOvSKIY, Boris Alekseyevich; TSVETNIKOV,
Viktor Ivanovich; DUBROVSKIY, V.A., red.; SMIRNOV, G.I., tekhn.red.;
SHCHEPINA, T.A., tekhn.red.

[Practical work on trucks and tractors; a manual for normal schools]
Praktikum po avtotraktornomu delu; uchebnoe posobie dlja pedinstitutov.
Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 166 p.
(Tractors) (Motortrucks) (MIRA 11:2)

ULITOVSKIY, Boris Alekseyevich; MARKOV, B.P., kand.tekhn.nauk, retsenzent;
LEBEDEV, V.S., kand.tekhn.nauk, retsenzent; GRIKANOV, V.I., kand.
tekhn.nauk, red.; SIMONOVSKIY, N.Z., red.izd-va; YUMKIN, P.S.,
tekhn.red.

[The U14 and U12 diesel generator units] Dizel'-generatornye usta-
novki U14 i U12. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960. 141 p. (MIRA 13:5)
(Electric generators)

ULITOVSKIY, B.A.

Possibility and expediency of using tractor exhaust gases in
dusting. Trudy VIZR no.14:183-190 '60. (MIRA 14:2)
(Spraying and dusting equipment)

ULITSKIY, B.Ye., doktor tekhn. nauk

Advanced methods of design in the construction of bridges.
Transp. stroi. 14 no.1:39-41 Ja '64. (MIRA 17:8)

ULITOVSKIY, D.A.

Movement of radioactive isotopes of iodine, phosphorus and gold in diseases of the nervous system; preliminary report. Zhur.nevr. i psikh. 59 no.10:1224-1232 '59.
(MIRA 13:3)

1. Klinika nervnykh bolezney (direktor - prof. Kh.G. Khodos) i kafedra rentgenologii i meditsinskoy radiologii (zaveduyushchiy - dotsent N.N. Mirolyubov) Irkutskogo meditsinskogo instituta.
(MENTAL DISORDERS metab.)
(IODINE metab.)
(PHOSPHORUS metab.)
(GOLD metab.)

ULITOVSKIY, D.A. (Leningrad)

Topography of radioactive iodine in the head and neck region
of man. Vop.neirokhir. 24 no.5:38-39 S-O '60. (MIRA 13:11)

1. Kafedra nervnykh bolezney Voyenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova i radiologicheskaya laboratoriya Lenin-
gradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo insti-
tuta imeni A.L. Polenova.

(IODINE METABOLISM) (AUTORADIOGRAPHY) (HEAD) (NECK)

ULITOVSKIY, D. A.

Cand Med Sci - (diss) "Materials for the application of radioactive isotopes in neurology." Moscow, 1961. 29 pp; with diagrams; (Academy of Medical Sciences USSR); 250 copies; price not given; (KL, 10-61 sup, 227)

ULITOVSKIY, D.A.

Concentration of radioactive iodine in brain tumors. Med.rad.
no.7:18-24 '61. (MIRA 15:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo instituta imeni A.L. Polenova i iz kafedry nervnykh bolezney Vojenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(BRAIN—TUMORS) (IODINE—ISOTOPES)

ULITOVSKIY, D.A.

Prevention of radiation injuries in clinical use of I^{131} and
 Au^{198} . Med.rad. no.10:33-37 '61.
(MIRA 14:10)

1. Iz kliniki nervnykh bolezney Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(IODINE-ISOTOPES) (COLD-ISOTOPES) (RADIATION-DOSAGE)

ULITOVSKIY, Dmitriy Alekseyevich; BADMAYEV, K.N., red; LEBEDEVA, Z.V.,
tekhn. red.; BUGROVA, T.I., tekhn. red.

[Radioactive isotopes in neurological practice] Radicaktivnye
izotopy v nevrologicheskoi praktike. Leningrad, Medgiz, 1962.
138 p.
(NEUROLOGY) (RADIOISOTOPES—THERAPEUTIC USE)

ULITOVSKIY, D.A.

Neurological symptomatology in the case of an unusual
stratifying aortic aneurysm. Vop. psikh. i nevr., no.9:
124-127 '62. (MIRA 17:1)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni
Kirova.

ULITOVSKIY, D.A.

Selection of the dose of radioactive indicators in radio-isotope diagnosis of cerebral tumors. Med. rad. 8 no.7:
16-23 J1 '63. (MIRA 17:1)

1. Iz kafedry nervnykh bolezney (Nachal'nik - general-mayor meditsinskoy sluzhby prof. S.I. Karchikyan) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

ULITOVSKIY, D.A. (Leningrad)

Postmortem diagnosis of radioisotope lesion in man. Arkh.
Pat. 25 no.6:67-71 '63. (MIRA 17:1)

1. Iz kliniki nervnykh bolezney (nachal'nik - general-
mayor meditsinskoy sluzhby S.I. Karchikyan) Voyenno-
meditsinskoy ordena Lenina akademii imeni S.M. Kirova i
patologoanatomiceskoy laboratorii (zav. - prof. T.V.
Chayka) Leningradskogo nevrokhirurgicheskogo instituta
imeni A.L. Polenova.

ULITSKINA, Z.I.

"Experience Gained in the Development of a Procedure for the Long-Range Forecasting of the Time of Opening up of the Rivers in the Basin of the Upper and Middle Volga," by Z.I. Ulitskina (Gor'kiy Administration of the Hydrometeorological Service)

SO: "Problems of Hydrological Weather Forecasts." No 30(57), 1953, page 113.

ULITSINA, Z.I.

Experience in developing methods for long range forecasts of opening
of rivers in the basin of the upper and middle Volga. Trudy TSIP
no.30:113-117 '53. (MIRA 11:3)

1. Gor'kovskoye upravleniye gidrometeorologicheskoy sluzhby.
(Volga River--Ice).

VOLYNSKIY, S.M., kandidat meditsinskikh nauk; KISELEVA, M.M., kandidat meditsinskikh nauk; YANKOVICH, R.S.; ULITSKAYA, E.M.

Chronic inflammatory processes of the oral cavity and the functional condition of the liver. Stomatologija no.6:6-11 '53. (MLRA 7:1)

1. Iz kafedry vnutrennikh bolezney (zavedmyushchiy - professor P.V. Frolov) i terapevticheskoy stomatologii (zavedmyushchiy - dotsent Ya.L. Fridman) Khar'kovskogo meditsinskogo stomatologicheskogo instituta (direktor P.V. Vlasenko).

(Mouth--Diseases) (Liver)

ULITSKAYA, L.A.

Study of the incidence of caries in relation to pregnancy.
Nauch. trudy Kaz. gos. med. inst. 14:563 '64. (MIRA 18:9)

1. Kafedra terapevticheskoy stomatologii (zav. - dotsent G.D. Ovrutskiy) Kazanskogo meditsinskogo instituta i Stomatologicheskaya poliklinika Leninskogo rayona Kazani (glavnnyy vrach - V.S.Savkina).

L 3549-66 FSS-2/EWT(1)/EWA(d)/T/EED(b)-3/EWA(c) LJP(c)

ACCESSION NR: AP5024434

UR/0286/65/000/015/0146/0146

AUTHORS: Nercbkov, V. P.; Belevich, G. M.; Shapkin, G. A.; Yafimenko, I. I.; Ulitskiy, A. R.

TITLE: Photocopying equipment for contact printing of copies. Class 57, No. 173607

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 146

TOPIC TAGS: photographic equipment, photographic printer

ABSTRACT: This Author Certificate presents photocopying equipment for contact printing of copies from various negatives onto one common backing for bulk preparation of superimposed negatives or printed circuits. To increase the productivity and to improve the production quality, a negative mounting unit, a manipulator, a preliminary mounting unit, a unit for precise superposition of negative and backing contour, and an illumination unit for exposure are mounted in a single case (see Fig. 1 on the Enclosure). The negative mounting unit is in the form of several revolving coordinate tables whose position is fixed in the range of the superposition unit and in the exposure zone. The manipulator is mounted on a horizontal plate which moves on prismatic guides into the zone of preliminary

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L 3549-66

ACCESSION NR: AP5024434

backing mounting and is provided with a coordinate-rotary table movable in any direction. This table is connected by a ball support to a magnetic table intended for fastening an auxiliary table-satellite. All of the units of the photoequipment are connected to one common control unit. To increase the accuracy of superimposing negative and backing contour by two points removed from each other with a minimum expenditure of time, the precise superposition unit is provided with a two channel optical system. Two different portions of the superimposed surface are visible in the field of view of the ocular. Orig. art. has: 1 diagram.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i organizatsii proizvodstva (Central Scientific Research Institute of Technology and Production Organization)

SUBMITTED: 01Apr64

4855
ENCL: 01

SUB CODE: ES

NO REF SOV: 000

OTHER: 000

Card 2/3

L 3549-66
ACCESSION NR: AP5024434

ENCLOSURE: 01

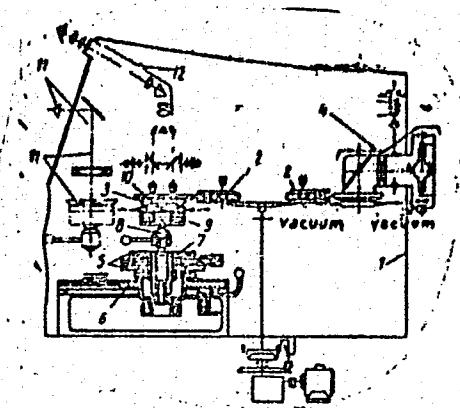


Fig. 1.

- 1- photoequipment case; 2- rotary coordinate tables of negative mounting unit; 3- superposition unit; 4- exposure unit; 5- manipulator; 6- horizontal plate with prismatic guides; 7- manipulator coordinate-rotary table; 8- ball support; 9- magnetic table; 10- table-satellite; 11- preliminary backing unit; 12- precise superposition unit

Card 3/3 *MLR*

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITKIN, P. Ye. . . . Caud. Tech. Sci.

Dissertation: "Investigation of the Performance of the Board-Hail Type Bridge Truss."
Moscow Automobile Highway Inst imeni V. M. Molotov, 10 Oct 47.

SO: Vechernyaya Moskva, Oct, 1947 (Project #17836)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, B. YE.

"Investigation of the Performance of the Board and Nail Type Bridge Truss." Sub 10 Oct 47, Moscow Automobile Highway Inst imeni V. M. Molotov

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum. No. 457, 18 Apr 55

DMITRIYEV, A.D., dotsent; ULITSKIY, B.YE., dotsent; ZABOLOTNEV, A.M.,
assistant; AZOVSKIY, A.I., inzhener.

Bridge spans with external prestressed reinforcements having
lengthwise and crosswise members. Avt.dor. 18 no.8:22-23 D '55.
(MLRA 9:5)
(Bridges, Concrete)

ULITSKIY, Boris Yefimovich; TUMAS, Ye.V., redaktor; KOGAN, F.L., tekhnicheskij redaktor

[Problems in the dimensional computation of girder bridges] Voprosy prostranstvennogo rascheta balochnykh mostov. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 58 p. (MIRA 9:8) (Bridges)

ULITSKIY, B. Ye. Doc Tech Sci -- (diss) "Study of spatial operation of
bridge structures." Mos, 1957. 16 pp (Min of Higher Education USSR).

Mos Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev),
120 copies (KL, 42-57, 92)

SOV/124 58-4 4773D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 154 (USSR)

AUTHOR: Ulitskiy, B. Ye.

TITLE: Investigation of the Three-dimensional Working of Bridge
Structures (Issledovaniye prostranschennoy raboty mostochnykh
sooruzheniy)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree
of Doctor of Technical Sciences, presented to the Mosk. inzh.-
stroit. in-t (Moscow Institute of Structural Engineering), Moscow,
1957

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Institute of Structural
Engineering), Moscow

1. Bridges--Mathematical analysis

Card 1/1

ULITSKIY, B.Ye., dotsent.

Calculating torsion of thin-walled elements in precast reinforced
concrete bridges. Bet. i zhel.-bet. no. 4:140-145 Ap '57.
(Bridges, Concrete) (MLRA 10:6)

ULITSKIY, Boris Yefimovich (Saratov Auto-Roads Inst) awarded sci d egree
of Doc Tech Sci for the 12 Nov 57 defense of dissertation: "Research
on the spatial work of roadway construction" at the Council, Mos Engr-
Constr Inst imeni Kuybyshev; Prot No 17, 21 Jun 58.
(BMVO, 12-58,21)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKIY, B.Ye., doktor tekhn.nauk; KLEVTSOV, V.A., inzh.

Torsion analysis of prestressed reinforced concrete crane
girders. Bet. i zhel.-bet. no.4:165-169 Ap '59.

(MIREA 12:6)

(Cranes, derricks, etc.)
(Girders)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, B.Ye., doktor tekhn.nauk; GIBSHMAN, M.Ye., kand.tekhn.nauk

Some problems in designing prestressed beams manufactured on a
standard unit. Bet.i zhel.-bet. no.6:278-280 Je '61.

(MIRA 14:7)

(Beam and girders) (Prestressed concrete)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKIY, B.Ye., doktor tehn. nauk; TIKAS, Ye.V., kand. tehn. nauk;

What's new in designing girder slabs for bridge floors. Transl.
stroi. 11 no.2:44-46 p '51.
(KTA 14:2)
(Bridge--Design)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKIY, B.Ye.; GIBSHMAN, M.Ye.; FILIMONOVA, N.L.

Potentials for saving metal in bridge spans. Avt. dor. 24
no.7:17-18 Jl '61. (MIRA 14:7)
(Bridges, Concrete)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, Boris Yefimovich, doktor tekhn. nauk; GIBSHMAN, M.Ye.,
red.; IVANOVSKAYA, K.M., red. izd-va; BODANOVA, A.P.,
tekhn. red.

[Spatial calculations for girder bridges] Prostranstvennye
raschety balochnykh mostov. Moskva, Avtotransizdat, 1962.
179 p. (MIRA 15:8)

(Bridges--Design)

ULITSKIY, B.Ye., doktor tekhn.nauk; KRAMER, Ye.L., inzh.; POTAPKIN, A.A.,
inzh.; SAKHAROVA, I.D., inzh.

Three-dimensional calculation of coreless spans. Avt.dor.
25 no.4:18-20 Ap '62. (MIRA 15:5)
(Bridges--Design)

ULITSKIY, Boris Yefimovich, doktor tekhn. nauk; GIBSHMAN, Ye.Ye., doktor tekhn. nauk, prof., sasl. deyatel' nauki i tekhniki RSFSR, retsenzent; GOLUBEKOVA, Ye.S., red.; BODANCOVA, A.P., tekhn. red.

[Three-dimensional calculation of coreless bridge spans]
Prostranstvennyi raschet bezdierfragmennykh proletnykh stroyenii mostov. Moskva, Avtotransizdat, 1963. 204 p.
(MIRA 16:7)
(Bridges--Design and construction)

ULITSKIY, B.Ye., doktor tekhn. nauk

Automation of three-dimensional calculations of bridge elements.
Transp. stroi. 15 no.1:46-47 Ja '65. (MIR 18:3)

1. Rukovoditel' laboratorii "Teoriya i metody rascheta mostov"
TSentral'nogo nauchno-issledovatel'skogo instituta svyazi.

YEZHNIKOV, N.N., inzh.; SIMONOV, L.V., inzh.; ULITSKIY, D.M., inzh.

Testing the "Krivbass-250" loader. Shakht. stroi. 5 no.8:
16-17 Ag '61. (MIRA 16:7)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Mining machinery--Testing)

ULITSKIY, G. I.

"Muscular-Tendinous Plastic Movements in the Presence of 'Irreparable' Paralyses of the Radial Nerve." Sverdlovsk Sci Res Inst of Reconstructive Surgery, Traumatology, and Orthopedics of the Min Public Health RSFSR, Chair of General Surgery of the Sverdlovsk State Med Inst (SGMI), SVERDLOVSK
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

ULITSKIY, G.I., dotsent; BEDRINA, N.P.

Comparative evaluation of various methods for open reduction of congenital dislocation of the hip joint in children. Ortop., travm. i protez. 27 no. 1:3-9 Ja '66 (MIRA 19:1)

1. Iz Sverdlovskogo instituta travmatologii i ortopedii (direktor - doktor med. nauk Z.P. Lubegina). Adres G.I. Ulitskogo: Sverdlovsk, Ural'skiy zavod tyazhelogo mashinostroyeniya, ulitsa Kul'tury, d. 15, kv. 60. Submitted April 26, 1965.

ULITSKIY, G.I., dotsent; EYDEL'SHTEYN, B.M., starshiy nauchnyy sotrudnik

Surgery for bone cysts in children. Ortop., travm. i protez. no.10:
8-12 '61. (MIRA 14:10)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta travmato-
logii i ortopedii (dir. - kand.med.nauk Z.P. Lybegina).
(BONE—DISEASES) (CYSTS)

ULITSKIY, G.I., dotsent; SHAPIRO, E.I., mladshiy nauchnyy sotrudnik

Surgical treatment of pronation contracture of the forearm in cerebral spastic paralysis. Ortop., travm. i protz. 24 no.10:61-64 O '63.

(MIRA 17:5)

1. Iz Sverdlovskogo instituta travmatologii i ortopedii (dir. - kand.med.nauk Z.P.Lubegina). Adres avtorov: Sverdlovsk, Bankovskiy pereulok, d. 7, Institut travmatologii i ortopedii.

ULITSKIY, I. I.

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SO: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

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27708.

Analiticheskoye Vyrazheniye zakona polzuchesti betona. Trudy
IV vsesoyuz. Konf-tsii po betonu I zhelezobeton. konstruktsiyam.
Ch. 2. M.L., 1949, s. 100-09.

SO: Knizhnaya Letopis, Vol. 1, 1955

USSR/Engineering - Hydraulics, Materials Aug 51
Testing

"Determination of Stresses Caused by Concrete
Shrinkage in the Members of Hydraulic Struc-
tures," I. I. Ulitskiy, Cand Tech Sci

"Gidrotekh Stroi" No 8, pp 6-9

Suggests designing concrete elements of hydraulic
structures with consideration of creep of con-
crete, increase of modulus of elastic deforma-
tion and character of shrinkage process.

200177

USSR/Engineering - Hydraulics, Aug 51
Materials, Test-
ing (Contd)

Shrinkage stresses obtained by this
method are considerably smaller than
those calcd by ordinary method, allowing
decrease in reinforcing metal possible.

200177

ULITSKIY, I. I.

Pipes, Concrete

Determining the supporting power of round, reinforced concrete pipes by the method of limited equilibrium. Stroi. prom. 30 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953². Unclassified.

TAIROV, V.D., kandidat tekhnicheskikh nauk; ULITSKIY, I.I., kandidat
tekhnicheskikh nauk, redaktor; TUROVSKIY, B., redaktor;
ZELENKOVA, Ye., tekhnicheskiy redaktor

[Planning structural panels for two- and three-story dwellings]
Porektirovaniye panel'nykh konstruktsii maloetazhnykh zhilykh
zdaniy. Pod red. I.I.Ulitskogo. Kiev, Izd-vo Akademii arkhitektury
Ukrainskoi SSR, 1953. 74 p. [Microfilm] (MLRA 7:10)
(Buildings, Prefabricated)

YARIN, V.N., zasluzhennyy deyatel' nauki i tekhniki, professor; ULITSKIY, I.I.,
kandidat tekhnicheskikh nauk.

Thin-walled construction of reinforced concrete aqueduct bridges. Gidr.
stroi. 22 no.5:21-24 My '53.

(MLRA 6:6)

(Canal aqueducts)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKII I.T.

✓ 1937. VINITSKY, I.I., THE CALCULATION OF CERTAIN STATICALLY INDETERMINATE ROD SYSTEMS WITH A MOBILE LOAD. 4. 12. 40.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, I.I.

ULITSKIY, I.I., kand.tekhn.nauk, dotsent.

Reinforced concrete shells with double curvature used for precast floors of public buildings. Nov.v stroi.tekh. no.4:106-120 '55.

(MIRA 10:10)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.
(Floors, Concrete)

ULITSKIY, I.I.

YARIN, V.N., professor, zasluzhennyy deyatel' nauki i tekhniki
Ukrainskoy SSR; ULITSKIY, I.I., kandidat tekhnicheskikh nauk,
dotsent; LIBERMAN, A.D., kandidat tekhnicheskikh nauk;
RUSIMOV, I.A., kandidat tekhnicheskikh nauk.

Experimental investigation of reinforced-concrete sloped
double-camber panels. Nov. v stroi. tekhn. no.7:37-69 '55.

(MLRA 9:11)

1. Kiyevskiy inzhenerno-stroitel'nyy institut i UkrNIIS MG
i SS USSR.

(Precast concrete construction)

ULITSKIY, I.I., kandidat tekhnicheskikh nauk, dotsent.

Rigidity of bent precast concrete elements subjected to permanent loads. Nov. v stroi. tekhn. no.7:191-220 '55.

(MLRA 9:11)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.
(Precast concrete construction)

SOV/124-57-3-3641

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 145 (USSR)

AUTHOR: Ulitskiy, I. I.

TITLE: The Stiffness of Bent Reinforced-concrete Elements During Prolonged Loading (Zhestkost' izgibayemykh zhelezobetonnykh elementov pri dlitel'nom zagruzhenii)

PERIODICAL: V sb.: Novoye v stroit. tekhnike. Nr 7. Kiyev, Gos. Izd-vo lit. po str-vu i arkhitekture SSSR, 1955, pp 191-223

ABSTRACT: On the basis of a well-known formula for reinforced-concrete creep the author introduces a mean nominal modulus of elasticity, variable with time, of tensioned reinforcements embedded in cracked concrete. The article criticizes the methodology of determining the stiffness and deflections of reinforced-concrete beams as recommended by the Technical Specifications and Norms TU 123-55 which do not reflect the physical nature of prolonged deformation. Some new design formulas are suggested. The problem of a reinforced-concrete beam of asymmetrical cross section is analyzed in the paper.

Card 1/1

M. A. Zadoyan

YARIN, V., professor, zasluzhennyy deyatel' nauki i tekhniki; ULITSKIY, I.,
kandidat tekhnicheskikh nauk; RIVKIN, S., kandidat tekhnicheskikh
nauk.

Precast reinforced concrete large panel roofs for agricultural buildings.
Sel'stroi.10 no.2:15-17 F '55. (MIRA 8:4)
(Farm buildings) (Roofs, Concrete)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

RUSINOV, I.A., kandidat tekhnicheskikh nauk; ULITSKIY, I.I., kandidat
tekhnicheskikh nauk.

Experimental investigation of deformations in reinforced
concrete elements subjected to bending under prolonged
loading in their early stage. Bet. i zhel.-bet. no.12:435-
440 D '56. (MLRA 10:2)

(Reinforced concrete--Testing)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

SOV/124-58-5-6021

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 148 (USSR)

AUTHOR: Ulitskiy, I.I.

TITLE: Stressed Condition of Reinforced-concrete-element Cross Sections Due to Shrinkage (Napryazhennoye sostoyaniye secheniy zhelezobetonykh elementov, voznikayushcheye v rezul'tate usadki betona)

PERIODICAL: Novoye v stroit. tekhn. Nr 11, 1957, pp 77-99

ABSTRACT: The creep of the concrete, the increase in the modulus of elasticity, and the long-term character of shrinkage are taken into consideration. The characteristic ϕ_t of the creep of concrete is taken (according to Kelvin) in the form of

$\phi_t = a [1 - \exp(-bt)]$. For the modulus E_t and the shrinkage a_t the following expressions are proposed $E_t = E(1 + \delta\phi_t)$ and $a_t = a(\phi_t/a)$ (!). Here E is the initial modulus; a is the limit of relative shrinkage, t is the time, and a , b , and δ are constants. Equations of equilibrium are drawn up for a cross section of a reinforced-concrete beam with a single axis of symmetry and double nonsymmetrical reinforcement. An integral

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SOV/124-58-5-6021

Stressed Condition of Reinforced-concrete-element Cross Sections (cont.)

equation is obtained from the equations of joint deformation of the concrete and the reinforcement, and a solution is given in the form of

$\sigma = \frac{a E}{a} [1 - \exp(-\xi \phi_t)]$. Here σ is the stress in the concrete at the center of gravity of the reinforcement and ξ is a quantity dependent upon the degree of reinforcement. Bibliography: 26 references.

N.I. Malinin

1. Reinforced concrete--Stresses
2. Reinforced concrete--Creep
3. Structures--Mathematical analysis

Card 2/2

ULITSKIY / /
ARBUZOV, N.T., kand.tekhn.nauk; GROMOV, V.L., kand.tekhn.nauk; GORSKIY, B.Z.,
kand.tekhn.nauk; KALISHCHUK, A.L., kand.tekhn.nauk; KUHITSKIY, L.P.,
kand.tekhn.nauk; KURBATOV, D.I., kand.tekhn.nauk; MOROZOV, N.V., kand.
tekhn.nauk; PILYUGIN, A.I., kand.tekhn.nauk; PRIMAK, N.S., kand.tekhn.
nauk; SEMENTSOV, S.A., kand.tekhn.nauk; ULITSKIY, I.I., kand.tekhn.
nauk; KHUTORIYANSKIY, M.S., kand.tekhn.nauk; SHERENTSYIS, A.A., kand.
tekhn.nauk; PINSKIY, Ye.A., inzh.; KARSAK, Yu.Ye., red.; PATSALYUK,
P.M., tekhn.red.

[Civil engineering handbook] Spravochnik po gospodarskoam stroitel'-
stvu. Izd. 3-e, perer. i dop. Kiev, Gos. izd-vo tekhn. lit-ry USSR
Vol. 1. 1958. 867 p. (MIRA 11:5)
(Civil engineering--Handbooks, manuals, etc.)

ULITSKIY, I. I., kand.tekhn.nauk; RIVKIN, S.A., kand.tekhn.nauk; SAMOLETOV, N.V., inzh.; DIKHOVICHNYY, A.A., inzh.; KORSAK, Yu., red.; MATUSEVICH, S., tekhn.red.; PATSALYUK, P., tekhn.red.

[Reinforced concrete construction elements; analysis and design]
Zhelezobetonnye konstruktsii; raschet i konstruirovaniye. Kiev,
Gos. izd-vo tekhn. lit-ry USSR, 1958. 875 p. (MIRA 12:2)
(Precast concrete construction)

SOV/68-58-10-16/25

AUTHORS: Ulitskiy, L.I., Doctor of Economic Sciences and
Bunimovich, V.A., Candidate of Economic Sciences

TITLE: On the Method of Calculating Production Costs of Coking
Products (O metode kal'kulirovaniya sebestoimosti
produktov koksovaniya ugley)

PERIODICAL: Koks i Khimiya, 1958, Nr 10, pp 51 - 54 (USSR)

ABSTRACT: The problem of calculating production costs of coking
products is discussed with particular reference to the
following problems: 1) methods of costing gas: according
to a standard price or on the basis of some coefficients;
2) how to treat gas used as a fuel and as a raw material
for the extraction of chemical products, and 3) how to
treat coke-oven gas consumed for heating ovens. There
are 7 references, 2 of which are English and 5 Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy ekonomicheskiy institut
(Moscow State Institute of Economics)

Card 1/1

ARBUZOV, N.T., kand.tekhn.nauk; GROMOV, V.L., kand.tekhn.nauk; GORSKIY, B.Z.; kand.tekhn.nauk; KALISHCHUK, A.L., kand.tekhn.nauk; KUNITSKIY, L.P., kand.tekhn.nauk; KURBATOV, D.I., kand.tekhn.nauk; MOROZOV, N.V., kand.tekhn.nauk; PILYUGIN, A.I., kand.tekhn.nauk; PRIMAK, N.S., kand.tekhn.nauk; SEMENTOV, S.A., kand.tekhn.nauk; ULITSKIY, I.I., kand.tekhn.nauk; KHUTORIANSKIY, M.S., kand.tekhn.nauk; SHERENTSIS, A.A., kand.tekhn.nauk; PINSKIY, Ye.A., inzh.; KORSAK, Yu.Ye., red.; MATUSEVICH, S.M., tekhn.red.

[Manual on civil engineering] Spravochnik po grazhdanskому stroytel'stvu. Izd.4., ispr. Kiev, Gos.izd-vo tekhn.lit-ry. Vol.1. 1959. 867 p. Vol.2. 1959. 560 p. (MIRA 12:8) (Civil engineering)

AUTHORS: Ulitskiy, I.I., Candidate of Technical Sciences, and
Chang, Chung-yao, Engineer SOV/97-59-3-6/15

TITLE: Experimental Investigations of Creep and Stress
Relaxation in Concrete and Reinforced Concrete

PERIODICAL: Beton i zhelezobeton, 1959, Nr 3, pp 118-122 (USSR)

ABSTRACT: Theoretical investigations of the creep and stress relaxation occurring in centrally compressed cubes of concrete and reinforced concrete as well as in beams and arches were confirmed by practical experiments. Some concrete is liable to such a degree of stress relaxation that initial internal tensions are practically lost altogether; this is due to shrinkage of the supports. It is often necessary in various cases to introduce internal tensions by external means (jacks or other more up-to-date methods) (see I. I. Ulitskiy: "Calculation of concrete and reinforced concrete arched and combined constructions, taking into account the duration of the processes", Gostekhizdat Ukr.SSR, 1950). This way of artificially introducing internal stresses can be effective for regulating tensions in construction and combating the relaxation properties of concrete. In

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Experimental Investigations of Creep and Stress Relaxation in
Concrete and Reinforced Concrete

SOV/97..59-3-6/15

1957-58 tests were carried out by the Laboratory of the Chair of Reinforced Concrete and Stone Constructions of the Kiyev Structural Engineering Institute (Laboratoriya kafedry zhelezobetonnykh i kamennykh konstruktsiy, Kiyev inzhenerno-stroitel'nyy institut) on concrete and reinforced concrete centrally compressed cubes, reinforced concrete beams and arches. Table 1 gives sizes and specification of tested samples. Figs 1 and 2 show apparatus for creep and relaxation tests. During both of these tests the room temperature is kept between 16 and 21°C, and the relative humidity of air between 85 and 95%. The concrete for test cubes was prepared in a concrete mixer, and vibrator I-21 was used for consolidation. The modulus of elasticity of concrete at the time of the loading, was 2.01×10^5 kg/cm². Steel mark 0 and St.5 of circular cross-section was used for reinforcement. The modulus of elasticity of steel was 2×10^6 kg/cm². Table 2 gives mean values of the gradual increase in strength in relation to its age (time after consolidation) and Table 3 gives optimal values of the

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SOV/97-59-3-6/15

Experimental Investigations of Creep and Stress Relaxation in
Concrete and Reinforced Concrete

increase of modulus of elasticity, of the concrete in relation to its age (time after consolidation). Shrinkage deformations appeared in four concrete cubes, of which two were isolated and two were not. Fig 3 shows the effectiveness of the isolation as a means of reducing shrinkage deformations. Relaxation as well as creep in centrally compressed concrete and reinforced concrete test cubes is described. The testing of the cubes was carried out in spring-loaded apparatus similar to that described by I. I. Ulitskiy and I. A. Rusinov in Beton i zhelezobeton 1956, Nr 12 (p436, Fig 3). Table 4 gives values for tensions in springs at the time of loading and initial elastic deformations of samples. Fig 4 gives experimental values of the creep characteristics, (i.e. relation between creep deformation and initial elastic deformation) for centrally compressed cubes, which show that creep in reinforced concrete samples is far less than in concrete. Further relaxation in tension in centrally compressed concrete and reinforced concrete test cubes is described (see Fig 5). The analysis of the curves in this figure shows that the relaxation of

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SOV/97-59-3-6/15

Experimental Investigations of Creep and Stress Relaxation in Concrete and Reinforced Concrete

tension in concrete cubes was more intensive than in cubes of reinforced concrete, which is in accordance with the theoretical calculations. Test values of increase of deflections of beams of single and double reinforcement are shown in Fig 6. The retarding effect of the compressed reinforcement on the creep deformations were ascertained also by direct measurement of creep deformations of concrete in the compressed zone of the beams, both singly and doubly reinforced (see Fig 7). The experimental figures for deflections of beams compare very favourably with calculations based on the theory of fatigue and on the approximation method given by one of the authors; see I. I. Ulitskiy: "The strength of bent reinforced concrete elements subjected to prolonged loading" in "Building Constructions" Gosstroyizdat Ukr.SSR, 1956. Stress relaxation in reinforced concrete beams was also investigated. Results of tests are shown in graphs of Fig 8. Table 5 gives experimental values of tensions in the reinforcement of singly

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Experimental Investigations of Creep and Stress Relaxation in
Concrete and Reinforced Concrete

reinforced beams. Table 8 gives the same values for doubly reinforced beams. Finally, the relaxation of stress in arches, doubly reinforced, with continual horizontal of support was investigated, and the results are given in Fig 9. There are 9 figures and 6 tables.

Card 5/5

ULITSKIY, I.I., kand.tekhn.nauk; RUSINOV, I.A., kand.tekhn.nauk

Experimental investigation of the deformability of concrete
and rigidity of reinforced concrete bent elements subjected
to long-time loads. Nov.v stroi.tekh. no.13:63-96 '59.

(MIRA 13:4)

(Reinforced concrete--Testing)

ULITSKIY, Iosif Isaakimovich; CHZHAN CHEZHUN-YAO [Chang Chung-yao];
GOLYSHEV, Aleksandr Borisovich; NEMENKO, L., red.; BOYKO, V.,
tekhn.red.

[Design of reinforced-concrete construction taking long-term
processes into consideration] Raschet zhelezobetonnykh
konstruktsii s uchetom dlitel'nykh protsessov. Kiev, Gos.
izd-vo lit-ry po stroit. i arkhit.USSR, 1960. 494 p.

(MIRA 14:3)

(Reinforced concrete construction)

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27 Jan - 3 Feb '60.

246. I.-M. Starov (Bukharest): strain design and general stability of structures.
 247. I. M. Starov (Bukharest): A contribution to the non-linear mechanics of shells.
 248. G. Stepanoff, F. Pösser (Dresden): On the use of variational principles for the approximate solution of some problems of plastic equilibrium.
 249. I. S. Strizhailo (Lvov): Experimental investigation of the fatigue resistance of steel bars beyond the ultimate limit.
 250. I. S. Strizhailo (Lvov): Strength and viscoplastic flow curves.
 251. I. S. Strizhailo (Lvov): The relation between pure pressure and rate of creep of alloys.
 252. I. S. Strizhailo (Lvov): Plastic plastic strains of non-linearly stressed solids.
 253. I. S. Strizhailo (Lvov): Fracture of metals by a spherical punch under static contact friction.
 254. I. S. Strizhailo (Lvov): An asymptotic method of calculating fracture blades of variable pitch at high speeds of rotation.
 255. I. S. Strizhailo (Lvov): Application of similarity methods to the analysis of the flow of rubber compounds.
 256. I. S. Strizhailo (Lvov): The effect of temperature on the mechanical properties of polyisobutylene (Rubber). Dependence of the mechanical properties of polyisobutylene on the temperature of the ambient air.
 257. I. S. Strizhailo (Lvov): An asymptotic method for the analysis of cylindrical shells.
 258. I. S. Strizhailo (Lvov): Some problems of soil dynamics.
 259. I. S. Strizhailo (Lvov): The flow in the boundary layer of an elastically viscoplastic medium.
 260. I. S. Strizhailo (Lvov): Some problems concerning the analysis of cylindrical shells in dynamic fields.
 261. I. S. Strizhailo (Lvov): On strength and vibration criteria for metals in the presence of cyclic loadings.
 262. I. S. Strizhailo (Lvov): Some problems of nonlinear mechanics.
 263. I. S. Strizhailo (Lvov): Mechanical stability and metal fatigue in problems of structural mechanics under static loads and in viscoplastic structures.
 264. I. S. Strizhailo (Lvov): The problem of metal strength in cyclically viscoplastic structures.
 265. I. S. Strizhailo (Lvov): On the numerical solution of integral equations in the solution of some problems concerning the stability of shells.
 266. I. S. Strizhailo (Lvov): Determination of plastic strains in shells.
 267. I. S. Strizhailo (Lvov): Elastic-plastic equilibrium of an elastic granular media.
 268. I. S. Strizhailo (Lvov): Stability and vibrations of orthotropic plates of variable thickness.
 269. I. S. Strizhailo (Lvov): Instationary vibrations of curvilinear shells.
 270. I. S. Strizhailo (Lvov): On the possibility of using the finite difference method and subgrid-viscosity theories of problems.
 271. I. S. Strizhailo (Lvov): Some problems concerning the bending of plates and shells with stirrups.
 272. I. S. Strizhailo (Lvov): On the impact of a wave on a heavy plate.
 273. I. S. Strizhailo (Lvov): Some problems concerning rock formation of hydraulic structures.
 274. V. A. Strelch (Gatchina): Present state and problems of solid mechanics.
 275. V. A. Strelch (Gatchina): Flow conditions for saturated rocks.
 276. V. A. Strelch (Gatchina): Experimental study of rock and apparent frictional strength of soils.
 277. V. A. Strelch (Gatchina), J. N. Shabotnov (Gatchina): On the composition of ground waters.
 278. V. A. Strelch (Gatchina): Further development of the initial phase of soil formation.
 279. V. A. Strelch (Gatchina): Temperature stresses in embankments.
 280. V. A. Strelch (Gatchina): Effects of shear stresses on the shear modulus.

ULITSKIY, I.I.,kand.tekhn.nauk; GOLYSHEV, A.B.,kand.tekhn.nauk

Prestressing losses due to the shrinkage and creep of fine concrete.
Bet. i zhel.-bet no.9:413-418 S'60. (MIRA 13:9)
(Prestresses concrete) (Strains and stresses)

ULITSKIV, I.I. (Kiyev)

Taking into account the nonlinear creep in reinforced concrete.
Stroi. mekh. i rasch. soor. 3 no.1:14-17 '61. (MIRA 14:2)
(Reinforced concrete) (Creep of materials)

ULITSKIY, Iosif Isaakimovich; KIREYEVA, Sof'ya Vasil'yevna; FANSTIL',
Irina Valentinovna; SURGINA, E., red.; LEUSHCHENKO, N.,
tekhn. red.

[Prestress losses from creep and shrinkage of the concrete in
reinforced concrete elements] Poteri predvaritel'nogo napriazhe-
nia ot polzuchesti i usadki betona v zhelezobetonnykh kon-
struktsiiakh. Kiev, Gosstrociizdat USSR, 1962. 206 p.
(MIRA 16:2)

(Prestressed concrete—Testing)

ULITSKIY, I.I., kand.tekhn.nauk

Practical method for mathematical determination of creep and
shrinkage deformations of concrete. Bet.i zhel.-bet. 8
no.4:174-180 Ap '62. (MIRA 15:5)
(Concrete—Testing)

ULJTSKIY, Iosif Ioakhimovich; METELYUK, Nikolay Semenovich;
REMINETS, Georgiy Mikhaylovich; AZARNINA, N.I., red.;
YEREMINA, I.A., tekhn. red.

[Rigidity of reinforced concrete elements under bending]
Zhestkost' izgibaemykh zhelezobetonnykh elementov. Kiev,
Gosstroizdat USSR, 1963. 83 p. (MIRA 16:7)
(Reinforced concrete)

ULITSKIY, I.I., kand. tekhn. nauk; CHZHAN CHZHUN-YAO [Chang Chung-yao]

Stability of centrally compressed elements subject to prolonged
loading. Bet. i zhel.-bet. 9 no.3:135-137 Mr '63.
(MIRA 16:4)

(Precast concrete--Testing)

ULITSKIY, Iosif Ioakhimovich, doktor tekhn. nauk, prof.;
KIREYEVA, Sof'ya Vasil'yevna, kand. tekhn. nauk;
KALASHEVSKAYA, I.K., red.

[Contraction and creep of concrete prepared by plants]
Usadka i polzuchest' betonov zavodskogo izgotovleniya.
Kiev, Budivel'nyk, 1965. 106 p. (MIRA 18:5)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKIY, I.I., doktor tekhn.nauk, prof.; RUDENKO, I.V., inzh.

Relaxation of stress and tension in reinforced concrete elements
in bending. Stroi.konstr. no.2:85-98 '65.
(MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, I.I.; RUDENKO, I.V., inzh.

Determining shift (rigidity) in reinforced-concrete, bent, and eccentrically compressed elements under the prolonged action of a load. Stroi.konstr. no.1:80. 97 '65.

(MIRA 19:1)

1. Kiyevskiy inzhenerno-stroitel'nyy institut (for Ulitskiy).
2. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Gosstroya SSSR, Kiyev (for Rudenko).

ULITSKIY, I.I., doktor tekhn.nauk, prof.; SKATYNSKIY, V.I.,
kand.tekhn.nauk

Equipment for prolonged investigation of the deformability
of concrete and reinforced concrete. Stroi. konstr. no.1:161-171
'65. (MIRA 19:1)

1. Kiyevskiy inzhenerno-stroitel'nyy institut (for Ulitskiy).
2. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy
Gosstroya SSSR, Kiyev (for Skatynskiy).

ULITSKIY, I.N. [Ulyts'kiy, I.N.]

Make more extensive use of natural gas in greenhouse heating.
Mekh.sil'.hosp. 9 no.11:12-13 N '58. (MIRA 11:12)

1. Glavnnyy inzh. sovkhoza "Kiyevskaya ovoshchnaya fabrika."
(Greenhouses--Heating and ventilation) (Gas, Natural)

ULITSKIY, L.

USSR/Coal-and-Coke-----4202.0101
Iron-and-Steel-----4205.0201

Jul/Aug 1947

"The Development of Coal Supply for Ferrous Metallurgy of the USSR,"
L. Sapozhnikov and L. Ulitskiy, 8½ pp

"Planovoye Khozyaystvo" No 4

Describes need for coking coal necessary to ferrous metallurgy for
fulfillment of Fourth Five-Year Plan for pig iron, steel, and rolled
iron. Various coal mining areas described, but no specific production
figures given.

LC

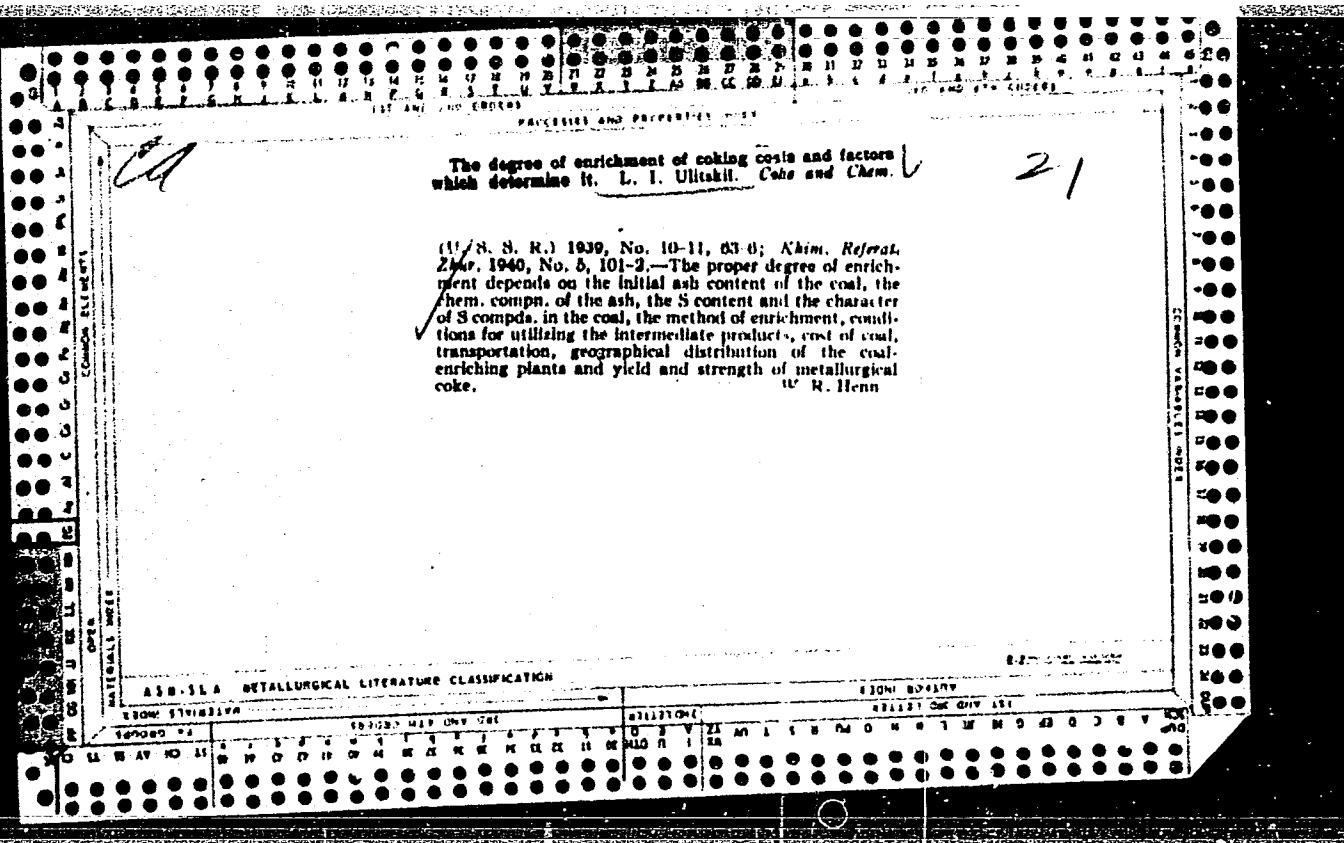
9G41

L.I. ULITSKII

TURETSKII, A.M. and L.I. ULITSKII. Puti kokeokhimicheskoi promyshlennosti
Ukrainy po piatiletnemu planu; populjarnyi ocherk. [Khar'kov], Ukrains'kyi
robitnyk, [1930]. 71 p. (Seriia "Piatiletka za chetyre goda").

DLC: TP336.T8

SO: LC, Soviet Government, PartII, 1951/Unclassified



"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5

ULITSKIV, L. I.

The organization of the by-product coke industry in Central Asia
Tashkent, Izd-vo An UzSSR, 1945. 63 p. (51-27892)

HD9559.C7S68

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001857920004-5"

ULITSKIY, N. Ya. Gend. Tech. Sci.

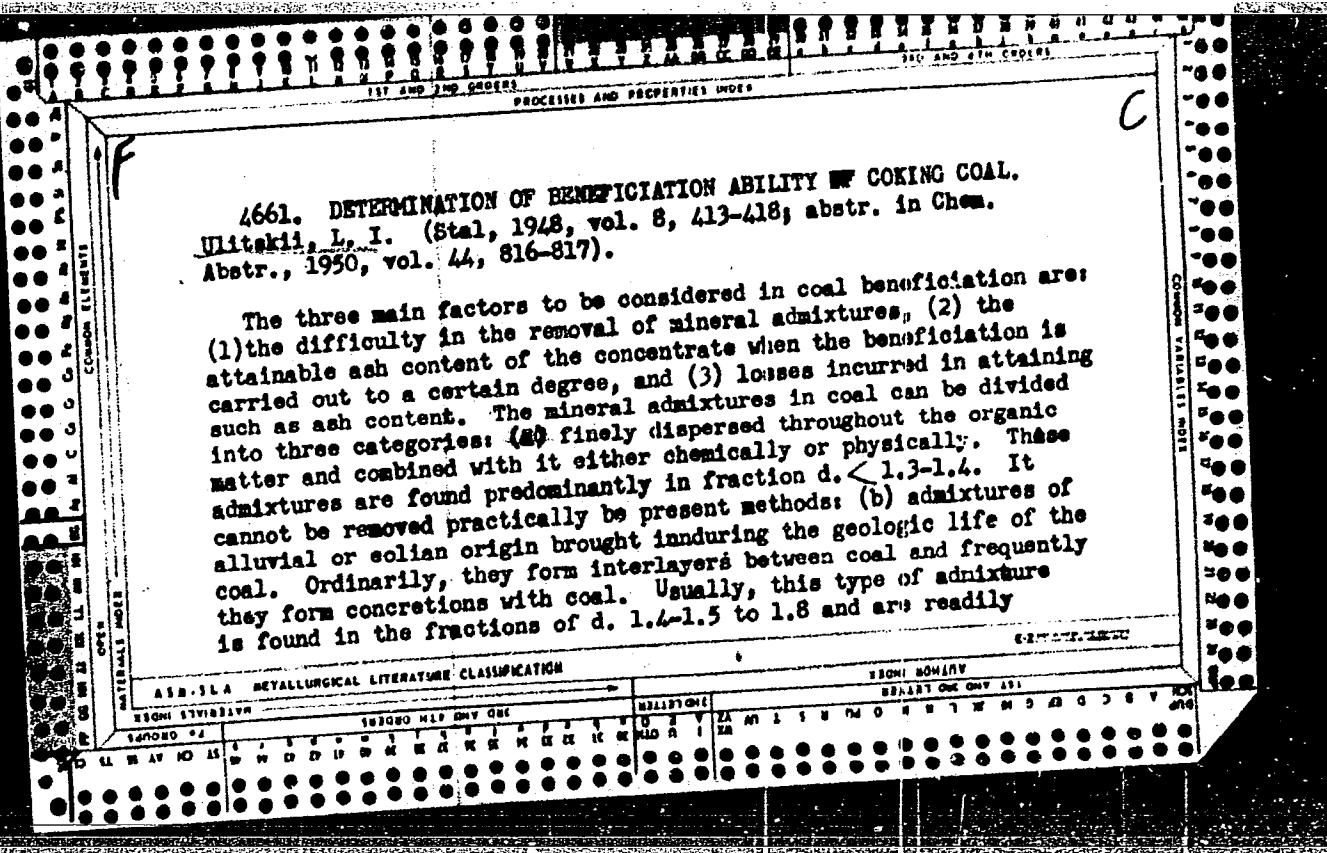
Dissertation: "Electric-Spark Plating of Cutting Tools." Moscow Aviation Technological Inst, 26 Jun 47.

SO: Vechernaya Moskva, Jun, 1947 (Project #17836)

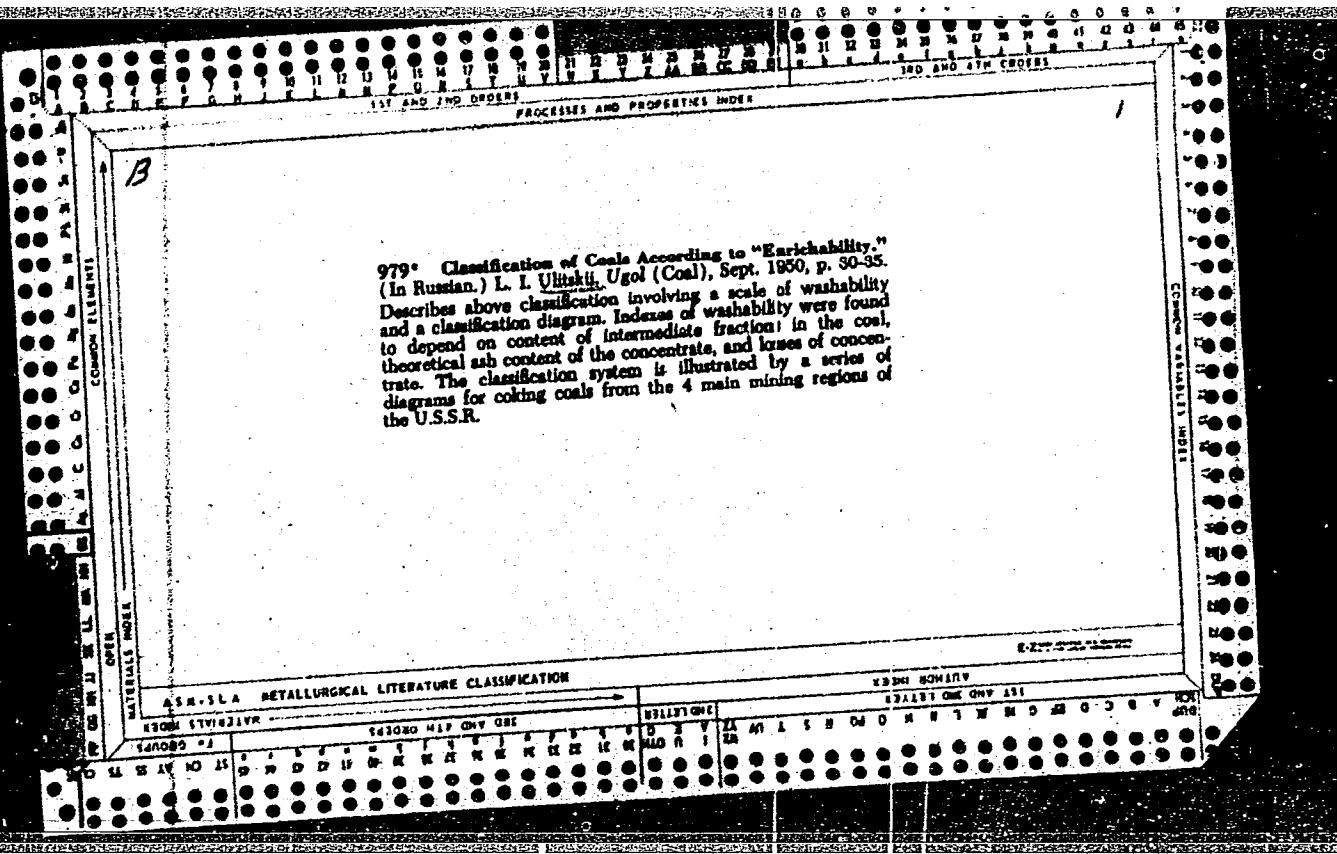
CA

2

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Utilizabil., Stat 6, 291-9 (1948).—The extent to which coking coal should be beneficiated depends on the balancing of coal losses against the advantages resulting from better coke. A statistical analysis of the performance of blast-furnaces operating on coke of various ash contents showed that a reduction of ash content of coal by 1% reduced the coke consumption per unit of metal by 5-6% and at the same time the furnace output was increased by 5-7%. It is desirable to run blast-furnace tests on coke obtained from coal of varying degrees of beneficiation. M. H.



removed. Since (a) cannot be coped with and (c) presents no great difficulties, then the ease of beneficiation is determined by (b). With respect to the difficulty of beneficiation, coals are divided into five classes according to the amount of product in intermediate fractions, i.e., fractions with a d. 1.5-1.8. Class I contains <5% and class V >20%. Each of the classes (except V) is subdivided into three groups according to the amount of concentrate: A < .90, B 80-90, and C <80%. With reference to factor 2 (the ash content) coal, gravity separated at either 1.4 or 1.5 but the same for all coals, is divided into three groups (1) < 7% (coke < 9.5%), (2) 7.9% (coke 9.5-12%), and (3) >9% (coke >12%). The third factor, loss of coal incurred in beneficiation (1) is calculated from $\lambda = (100 - \alpha)/(\alpha - 0.01\beta\nu) - 1$, where α is the ash content of the run of mine coal in %, β is the ash content of the concentrate in %, and ν yield of concentrate in %. With reference to 1 coals are divided into three groups in which (a) λ is <0.5%, (b) λ = 0.5-1.5%, and (c) λ is >1.5%.



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